

Chemical Information:

Name: tert-Amyl methyl ether
CAS No.: 994-05-8 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201154 Lot No.: OS1028/3
NTP_CID No.: 1311 MW: 102.17 g/mol

Date of Analysis: 28 September 2010

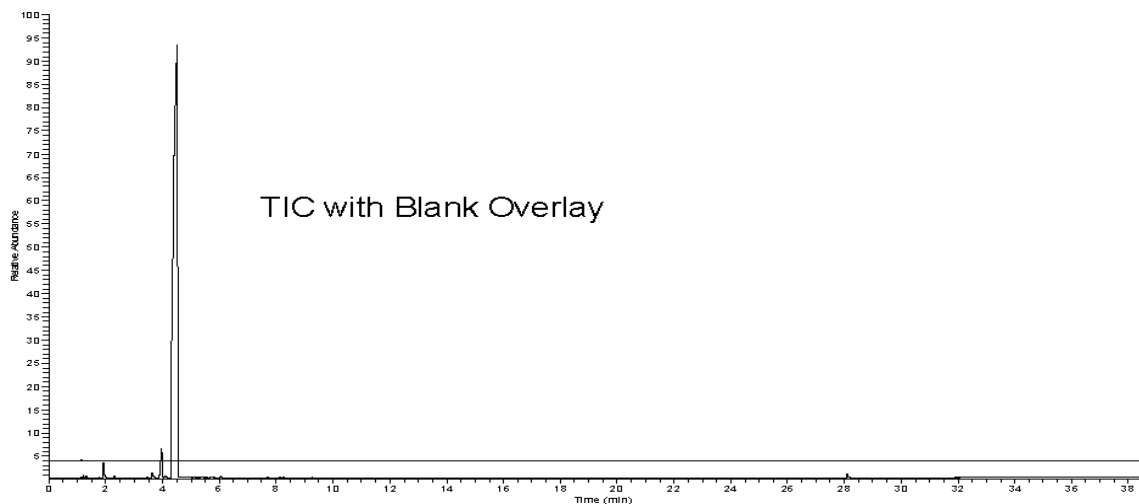
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	1.93	0.54
Unknown	3.97	2.20
tert-Amyl methyl ether	4.51	96.12

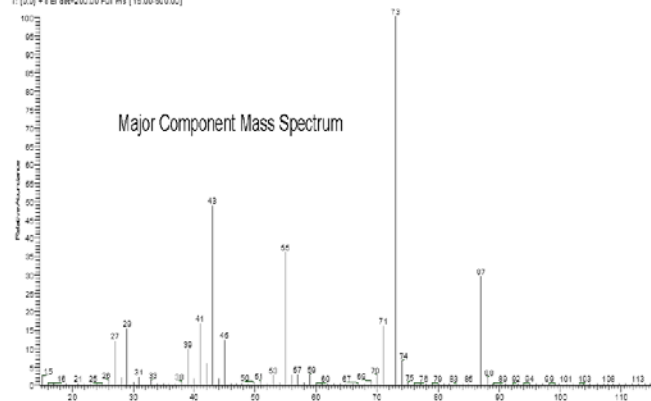
^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Not applicable
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	10°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	200°C
Auxiliary Temperature	200°C
Scan Range	15 – 500 amu
Injector Temperature	150°C
Injection Volume / Mode	1 μ L / Split (420:1)
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0f, build 10/08/2008



1028115 (4.51) RT: 4.51 AX: 1 SB: 6.4234-27.4824-89 NL: 1.2486
T: (3.0) *sBI det=200.00 Full ms (15.00-50.00)



NIST Reference Mass Spectrum

